Special Issue

Recent Advances and New Trends in Computer Vision and Image Processing

Message from the Guest Editor

Grounded on visual data, computer vision aims to enable computers to see, understand, decide, and act. Over the years, computational vision has rapidly gained popularity in a wide range of areas, including industry, transportation, agriculture, and medicine. Nowadays, artificial intelligence-powered vision systems are driving the sector to previously unseen levels of popularity by increasing their efficiency and accuracy. Thus, the applications of such systems are expected to continue to increase alongside the artificial intelligence, machine learning, and deep learning algorithms that are being developed within these frameworks, which have recently achieved great success over conventional techniques. This Special Issue aims at presenting new technical approaches in computer vision research and development with particular emphasis on the engineering and technological aspects of image processing and computer vision and their contributions to a wide range of application fields, including (but not limited to) the following:

- Agriculture;
- Healthcare;
- Environmental monitoring;
- Security and surveillance;
- Automotive industry;
- Entertainment;
- Robotics.

Guest Editor

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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